

Abstract

The disclosed invention is a new method and apparatus to achieve end-to-end secure communication over public and private networks. The method can provide security to all networked applications without any modifications to the applications. The method is compatible with other networking protocols, such as, network address translation (NAT), Internet control message protocol (ICMP), and all quality of service (QoS) protocols that operate up to the transport layer. Secure communication system based on other protocols such as IPSec cannot achieve end-to-end security, while remaining compatible with networking protocols such as NAT and ICMP.

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